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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 09/841,000

Confirmation No.: 4713

Filing Date: April 24, 2001

Inventors: de Rouffignac et al.

Title: IN SITU THERMAL  
PROCESSING OF A  
HYDROCARBON  
CONTAINING FORMATION  
TO INCREASE A  
PERMEABILITY OF THE  
FORMATION

§ Examiner: G. A. Suchfield  
§  
§ Art Unit: 3672  
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§ Atty. Dkt. No.: 5659-02400/EBM  
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CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8 DATE OF DEPOSIT: <u>May 11, 2005</u> I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail on the date indicated above and is addressed to:  Commissioner for Patents Alexandria, VA 22313-1450  Jackie L. Rife
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**REQUEST FOR SIGNED ELECTRONIC INFORMATION DISCLOSURE**  
**STATEMENTS**

Mail Stop: Issue Fee  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Applicant notes that the Examiner has not acknowledged receipt of all Information Disclosure Statements filed for the above-captioned application. Applicant has attached the following unacknowledged electronic Information Disclosure Statements listing:

U.S. Patent Documents citation numbers 1-8 and received by the PTO on May 13, 2004 as indicated on the enclosed copy of the e-IDS acknowledgment receipt EFS ID: 60900 obtained from the Patent Application Information Retrieval (PAIR) database;

U.S. Patent Documents citation numbers 1-45 and U.S. Published Applications citation numbers 1-5 and received by the PTO on August 24, 2004 as indicated on the enclosed copy of the e-IDS acknowledgment receipt EFS ID: 67250 obtained from PAIR;

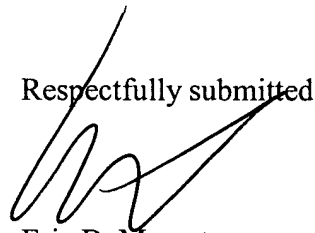
U.S. Patent Documents citation numbers 1-11 and U.S. Published Applications citation number 1 and received by the PTO on August 24, 2004 as indicated on the enclosed copy of the e-IDS acknowledgment receipt EFS ID: 67251 obtained from PAIR;

U.S. Patent Documents citation numbers 1-25 and U.S. Published Applications citation numbers 1 and 2 and received by the PTO on September 28, 2004 as indicated on the enclosed copy of the e-IDS acknowledgment receipt EFS ID: 69424 obtained from PAIR; and

U.S. Patent Documents citation numbers 1-4 and received by the PTO on November 12, 2004 as indicated on the enclosed copy of the e-IDS acknowledgment receipt EFS ID: 72385 obtained from PAIR.

Applicant respectfully requests signed, initialed copies of the electronic Information Disclosure Statements previously submitted for the above-captioned application.

Respectfully submitted,



Eric B. Meyertons  
Reg. No. 34,876  
Attorney for Applicant

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Date: May 11, 2005

UNITED STATES PATENT AND TRADEMARK OFFICE  
ACKNOWLEDGEMENT RECEIPT

Electronic Version 1.1  
Stylesheet Version v1.1.1

Title of Invention

IN SITU THERMAL PROCESSING OF A HYDROCARBON CONTAINING  
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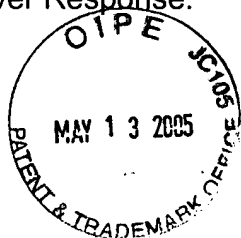
Submission Type: Information Disclosure Statement

Application Number: 09/841000

\*09/841000\*

EFS ID: 60900

Server Response:



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First Named Applicant: Eric de Rouffignac

Attorney Docket Number: 5659-02400

Timestamp: 2004-05-13 13:33:42 EDT

From: us

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Digital Certificate Holder Name: cn=Eric B. Meyertons,ou=Registered Attorneys,ou=Patent and Trademark

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Electronic Version v18

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Title of Invention

IN SITU THERMAL PROCESSING OF A HYDROCARBON  
CONTAINING FORMATION TO INCREASE A PERMEABILITY OF  
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Application Number: 09/841000

Confirmation Number: 4713

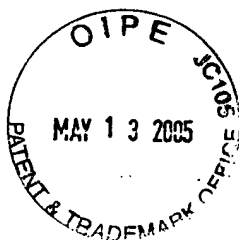
First Named Applicant: Eric de Rouffignac

Attorney Docket Number: 5659-02400

Art Unit: 3672

Examiner: George A Suchfield

Search string: ( 3994340 or 3994341 or 4460044 or 4696345 or 2584605 or 2969226  
or 3982591 or 3982592 ).pn.



\*09/841000\*

Certification: This Information Disclosure Statement was submitted under the following conditions, which satisfies the requirement under 37 CFR 1.97(e). The filer certified:

That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement.

## US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	3994340	1976-11-30	Anderson et al.			
	2	3994341	1976-11-30	Anderson et al.			
	3	4460044	1984-07-17	Porter			
	4	4696345	1987-09-29	Hsueh			
	5	2584605	1952-02-05	Merriam et al.			
	6	2969226	1961-01-24	Huntington			
	7	3982591	1976-09-28	Hamrick et al.			
	8	3982592	1976-09-28	Hamrick et al.			


Signature

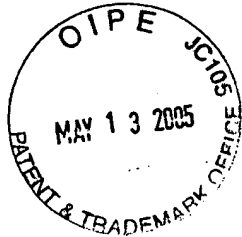
Examiner Name	Date

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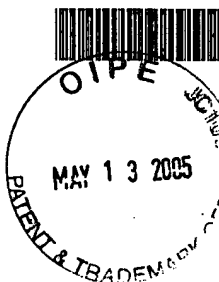
# ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

<b>Title of Invention</b>	<b>IN SITU THERMAL PROCESSING OF A HYDROCARBON CONTAINING FORMATION TO INCREASE A PERMEABILITY OF THE FORMATION</b>
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Application Number : 09/841000  
Confirmation Number: 4713  
First Named Applicant: Eric de Rouffignac  
Attorney Docket Number: 5659-02400  
Art Unit: 3672  
Examiner: George A Suchfield  
Search string:



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## US Patent Documents

**Note: Applicant is not required to submit a paper copy of cited US Patent Documents**

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	3004596	1961-10-17	Parker et al.			
	2	3342258	1967-09-19	Prats			
	3	3455383	1969-07-15	Prats et al.			
	4	3501201	1970-03-17	Closmann et al.			
	5	3502372	1970-03-24	Prats			
	6	3759574	1973-09-18	Beard			
	7	4160479	1979-07-10	Richardson et al.			
	8	4375302	1983-03-01	Kalmar			
	9	4483398	1984-11-20	Peters et al.			
	10	6698515	2004-03-02	Karanikas et al.			
	11	6702016	2004-03-09	de Rouffignac et al.			
	12	6708758	2004-03-23	de Rouffignac et al.			
	13	6712135	2004-03-30	Wellington et al.			
	14	6712136	2004-03-30	de Rouffignac et al.			

	15	6712137	2004-03-30	Vinegar et al.			
	16	6715546	2004-04-06	Vinegar et al.			
	17	6715547	2004-04-06	Vinegar et al.			
	18	6715549	2004-04-06	Wellington et al.			
	19	6715548	2004-04-06	Wellington et al.			
	20	6719047	2004-04-13	Fowler et al.			
	21	6722431	2004-04-20	Karanikas et al.			
	22	6722430	2004-04-20	Vinegar et al.			
	23	6722429	2004-04-20	de Rouffignac et al.			
	24	6725920	2004-04-27	Zhang et al.			
	25	6725921	2004-04-27	de Rouffignac et al.			
	26	6725928	2004-04-27	Vinegar et al.			
	27	6729397	2004-05-04	Zhang et al.			
	28	6729396	2004-05-04	Vinegar et al.			
	29	6729401	2004-05-04	Vinegar et al.			
	30	6729395	2004-05-04	Shahin, Jr. et al.			
	31	6732794	2004-05-11	Wellington et al.			
	32	6732796	2004-05-11	Vinegar et al.			
	33	6736215	2004-05-18	Maher et al.			
	34	6739394	2004-05-25	Vinegar et al.			
	35	6739393	2004-05-25	Vinegar et al.			
	36	6742593	2004-06-01	Vinegar et al.			
	37	6742587	2004-06-01	Vinegar et al.			
	38	6742589	2004-06-01	Berchenko et al.			
	39	6742588	2004-06-01	Wellington et al.			
	40	6745837	2004-06-08	Wellington et al.			
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	42	6749021	2004-06-15	Vinegar et al.			
	43	6752210	2004-06-22	de Rouffignac et al.			
	44	6758268	2004-07-06	Vinegar et al.			
	45	6761216	2004-07-13	Vinegar et al.			

## US Published Applications

**Note:** Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
	1	20040069486	2004-04-15	Vinegar et al.			
	2	20040015023	2004-01-22	Wellington et al.			
	3	20030213594	2003-11-20	Wellington et al.			
	4	20040040715	2004-03-04	Wellington et al.			
	5	20040020642	2004-02-05	Vinegar et al.			




**Signature**

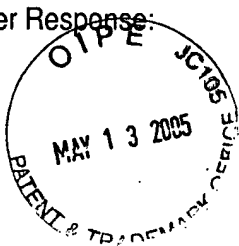
Examiner Name	Date

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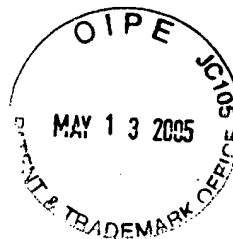
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Search string: ( 6763886 or 6769485 or 6769483 or 6581684 or 6588504 or 6588503 or 6591906  
or 6591907 or 6607033 or 6609570 or 6688387 or 20040108111 ).pn



## US Patent Documents

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init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	6763886	2004-07-20	Schoeling et al.			
	2	6769485	2004-08-03	Vinegar et al.			
	3	6769483	2004-08-03	de Rouffignac et al.			
	4	6581684	2003-06-24	Wellington et al.			
	5	6588504	2003-07-08	Wellington et al.			
	6	6588503	2003-07-08	Karanikas et al.			
	7	6591906	2003-07-15	Wellington et al.			
	8	6591907	2003-07-15	Zhang et al.			
	9	6607033	2003-08-19	Wellington et al.			
	10	6609570	2003-08-26	Wellington et al.			
	11	6688387	2004-02-10	Wellington et al.			

## US Published Applications

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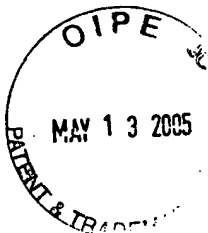
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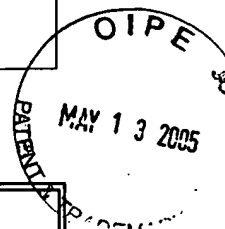
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USPTOEFSNot	For assistance with e-filing a patent application, contact the Patent Electronic Business Center: Toll-Free Number:1(866) 217-9197 Website: <a href="http://www.uspto.gov/ebc/">http://www.uspto.gov/ebc/</a>																																		
First Named Applicant:	Eric de Rouffignac																																		
Attorney Docket Number:	5659-02400																																		
Timestamp:	2004-09-28 16:43:05 EDT																																		
From:	us																																		
File Listing:	<table border="1"><thead><tr><th>Doc. Name</th><th>File Name</th><th>Size (Bytes)</th><th>Date Produced (yyyymmdd)</th></tr></thead><tbody><tr><td>us-ids</td><td>U82-U108-usldst.xml</td><td>5086</td><td>2004-09-28</td></tr><tr><td>us-ids</td><td>us-ids.dtd</td><td>7763</td><td>2004-09-28</td></tr><tr><td>us-ids</td><td>us-ids.xsl</td><td>12026</td><td>2004-09-28</td></tr><tr><td>package-data</td><td>U82-U108-pkda.xml</td><td>1821</td><td>2004-09-28</td></tr><tr><td>package-data</td><td>package-data.dtd</td><td>27025</td><td>2004-09-28</td></tr><tr><td>package-data</td><td>us-package-data.xsl</td><td>19263</td><td>2004-09-28</td></tr><tr><td colspan="2">Total files size</td><td>72984</td><td></td></tr></tbody></table>			Doc. Name	File Name	Size (Bytes)	Date Produced (yyyymmdd)	us-ids	U82-U108-usldst.xml	5086	2004-09-28	us-ids	us-ids.dtd	7763	2004-09-28	us-ids	us-ids.xsl	12026	2004-09-28	package-data	U82-U108-pkda.xml	1821	2004-09-28	package-data	package-data.dtd	27025	2004-09-28	package-data	us-package-data.xsl	19263	2004-09-28	Total files size		72984	
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us-ids	U82-U108-usldst.xml	5086	2004-09-28																																
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# ELECTRONIC INFORMATION DISCLOSURE STATEMENT

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## Title of Invention

IN SITU THERMAL PROCESSING OF A HYDROCARBON  
CONTAINING FORMATION TO INCREASE A PERMEABILITY OF  
THE FORMATION

Application Number : 09/841000



Confirmation Number: 4713

First Named Applicant: Eric de Rouffignac

Attorney Docket Number: 5659-02400

Art Unit: 3672

Examiner: George A. Suchfield

Search string: ( 5539853 or 3691291 or 3032102 or 3079085 or 3454365 or 4260018 or 4683947  
or 5055180 or 5626191 or 6353706 or 6467543 or 6499536 or 4734115 or 3170842  
or 3618663 or 4018280 or 4698149 or 3948755 or 4605489 or 4623444 or 4885080  
or 5059303 or 6110358 or 6789625 or 6782947 or 20020004533 or 20020112987  
) .pn

## US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	5539853	1996-07-23	Jamaluddin et al.			
	2	3691291	1972-09-12	Taj			
	3	3032102	1962-05-01	Parker			
	4	3079085	2004-09-28	Clark, Jr. et al.			
	5	3454365	1969-07-08	Lumpkin et al.			
	6	4260018	1981-04-07	Shum et al.			
	7	4683947	1987-08-04	Fernbacher et al.			
	8	5055180	1991-10-08	Klaila			
	9	5626191	1997-05-06	Greaves et al.			
	10	6353706	2002-03-05	Bridges			
	11	6467543	2002-10-22	Talwani et al.			
	12	6499536	2002-12-31	Ellingsen			
	13	4734115	1998-03-29	Howard et al.			
	14	3170842	1965-02-23	Kehler			
	15	3618663	1971-11-09	Needham			
	16	4018280	1977-04-19	Daviduk et al.			
	17	4698149	1987-10-06	Mitchell			
	18	3948755	1976-04-06	McCollum et al.			
	19	4605489	1986-08-12	Madgavkar			

	20	4623444	1986-11-18	Che et al.			
	21	4885080	1989-12-05	Brown et al.			
	22	5059303	1991-10-22	Taylor et al.			
	23	6110358	2000-08-29	Aldous et al.			
	24	6789625	2004-09-14	de Rouffinac et al.			
	25	6782947	2004-08-31	de Rouffinac et al.			

## US Published Applications

**Note:** Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
	1	20020004533	2002-01-10	Wallace et al.			
	2	20020112987	2002-08-22	Hou et al.			

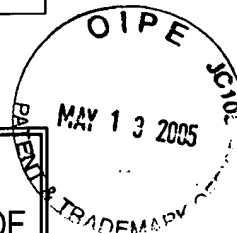
## Signature

Examiner Name	Date

# ACKNOWLEDGEMENT RECEIPT

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Stylesheet Version v1.1.1



## Title of Invention

IN SITU THERMAL PROCESSING OF A HYDROCARBON  
CONTAINING FORMATION TO INCREASE A PERMEABILITY OF  
THE FORMATION

Submission Type : Information Disclosure  
Statement

Application Number:

09/841000



EFS ID:

72385

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First Named Applicant: Eric de Rouffignac

Attorney Docket Number: 5659-02400

Timestamp: 2004-11-12 10:14:27 EDT

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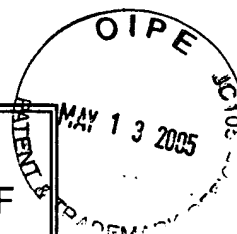
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Search string: ( 3017168 or 3434541 or 4598772 or 5456315 ).pn

## US Patent Documents

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init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	3017168	1962-01-16	Carr			
	2	3434541	1969-03-25	Cook et al.			
	3	4598772	1986-07-08	Holmes			
	4	5456315	1995-10-10	Kisman et al.			

## Signature

Examiner Name	Date